

A2 ✓  
CONCL. ✓

can therefore be substituted for measurement. Other than these signal periods, the same method used with the first pattern is applied to set and update the first pulse settings 4S4M and 3S3M, and last pulse settings 4M4S and 3M3S in Fig. 5 (a).

✓

Please replace the paragraph at page 44, line 18, with the following rewritten paragraph:

A3 ✓  
CONCL. ✓

When this optical disc 1301 is loaded into the disc recorder, the optical head moves to area 1303 to read the optimum position information for the leading and trailing mark edges. The read data signal 128 is then input to the memory 129, and the optimum position information for the leading and trailing mark edges is set in the pulse moving circuit 110 via bus.

✓

Please replace the paragraph at page 63, line 18, with the following rewritten paragraph:

A4 ✓  
CONCL. ✓

The asymmetry measuring circuit 140 compares the average of the high 3611 and low 3610 peak values of the reproduction signal 3605 with the slice level signal 3609. When the difference or ratio therebetween is outside a specified range, the peak power setting is off. The peak power setting is therefore adjusted according to the sign of this difference or ratio. This 6T pattern signal recording, reproduction, and asymmetry measurement loop is then repeated until the detected asymmetry is within a specific range.

✓

Please replace the paragraph at page 69, line 11, with the following rewritten paragraph:

A5 ✓  
CONCL. ✓

It is also possible in this case to quickly obtain the optimum temporary power setting using the information recorded to area 1806 when the margin constant, asymmetry information, and other temporary power information recorded to area 1803 is unreadable due to a disc error, soiling, or other problem.